Project Audit

Project:

Legends of Aragon

January 16, 2021

Overview

This audit has been prepared for **Legends of Aragon** to review the main aspects of the project to help investors make make an informative decision in the research process.

You will find a a summarized review of the following main key point::

- Contract's source code
- Project and team
- Website
- Social media & online presence

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities

- Assessing the codebase to ensure compliance with current best practices and industry standards.

- Ensuring contract logic meets the specifications and intentions of the client.

- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.

- Thorough line-by-line manual review of the entire codebase by industry experts.

"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
- SpyWolf Team

Smart Contract Summary

Contract Name	LOAGAME
Ticker	LOAG
Contract	0xb16074CB791Eba8C4100cCE78656a4b34358399e
Network	Binance Smart Chain
Language	Solidity
Tax	6.8% (Buy/Sell) - 5% Liquidity - 1% Tax Fee - 0.8% Marketing Fee **Total Fees: 6.8%**
Total Supply	30,000,000 LOAG
Status	Not Launched

Burn	No Burn
PreSale (15%)	4,500,000 LOAG (PINKSALE)
Liquidity (7.92%)	LOCKED 1 YEAR ✔
Team (33.3%) ⚠️	10,000,000 LOAG (VESTING 20% EVERY 30 DAYS)

Smart Contract Statistics

Transfer Count	322
Uniq Senders	15
Uniq Receivers	72
Total Amount	79134135.5397682 LOAG
Median Transfer Amount	17.69 LOAG
Average Transfer Amount	245758.18490611244 LOAG
First transfer date	2021-11-22
Last transfer date	2022-01-15
Days tokens Transfer	36

Token life is low as the token as not yet being released. Figures are normal

`

Featured Wallets

Owner Address	0x1c89a7deb53615508376e35a72b877d4e3c84e85
PinkSale AntiBot Address	0x8efdb3b642eb2a20607ffe0a56cfeff6a95df002
Marketing Wallet	0xc715fe0ea366ad74837c13a604c532509347643b

Top 3 Unlocked Wallets

Wallet 1 (10%)	Owner Wallet ⚠️

Issues Checking Status

Design Logic	**Passed ✓**
Compiler warnings.	**Passed ✓**
Private user data leaks	**Passed ✓**
Timestamp dependence	**Passed ✓**
Integer Overflow and Underflow	**Passed ✓**
Race conditions and Reentrancy. Cross-function race conditions	**Passed ✓**
Possible delays in data delivery	**Passed ✓**
Oracle calls	**Passed ✓**
Front running	**Passed ✓**
DoS with Revert	**Passed ✓**
DoS with block gas limit	**Passed ✓**
Methods execution permissions	**Passed ✓**
Economy model	**Passed ✓**
The impact of the exchange rate on the logic	**Passed ✓**
Malicious Event log	**Passed ✓**
Scoping and Declarations	**Passed ✓**
Uninitialized storage pointers	**Passed ✓**
Arithmetic accuracy	**Passed ✓**
Cross-function race conditions	**Passed ✓**
Safe Zeppelin module	**Passed ✓**
Fallback function security	**Passed ✓**

SpyWolf

Security Threats (Low Risk)

- **Owner can change Tax, Liquidity and marketing fees**

```solidity
function setTaxFeePercent(uint256 taxFee) external onlyOwner {
    _taxFee = taxFee;
}


function setLiquidityFeePercent(uint256 liquidityFee) external onlyOwner {
    _liquidityFee = liquidityFee;
}


function setPercentageOfLiquidityFormarketing(uint256 marketingFee) external onlyOwner {
    _percentageOfLiquidityForMarketing = marketingFee;
}
```

- **Owner can exclude an account from paying Fees**

```solidity
function setExcludedFromFee(address account, bool e) external onlyOwner {
    _isExcludedFromFee[account] = e;
}
```

- **Owner can change max transaction amount**

```solidity
function setMaxTxAmount(uint256 maxTxAmount) external onlyOwner {
    _maxTxAmount = maxTxAmount;
}
```

- **Owner can exempt an account from having a transaction limit**

```solidity
function setIsTxLimitExempt(address holder, bool exempt) external onlyOwner {
    isTxLimitExempt[holder] = exempt;
    emit TxLimitExemptUpdated(holder, exempt);
}
```

Legends of Aragon Project & Team Review

According to their website, Legends of Aragon *is a P2E game launched on a web 3.0 platform where players will embody the role of a Templar knight who willprove his skill and worth by raising dragons and mythical beasts. His beasts will engage in hand-to-hand combat to win trophies in the form of nft tokens Inspired by the collectible card game Magic: the Gathering, BEUROP offers a metaverse where knights and dragons collaborate to be rewarded for breeding, exploring, hunting, and more.*

Team:

- Team is fully doxxed ✅
- Active on voice chat ✅

Website Analysis

Website URL: https://www.nftloa.com

- **Design:** Unique and fun style. Some text could be formatted better
- **Content:** Content is well written with no grammar errors
- **Whitepaper:** Well written and it matches the rest of the content and numbers. Could be formatted better for easier readability
- **Roadmap:** Present. Would like to see plans for future months
- **Mobile-friendly?** Yes
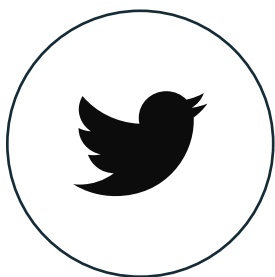- **Technical:** SSL certificate present. General SEO check passed.

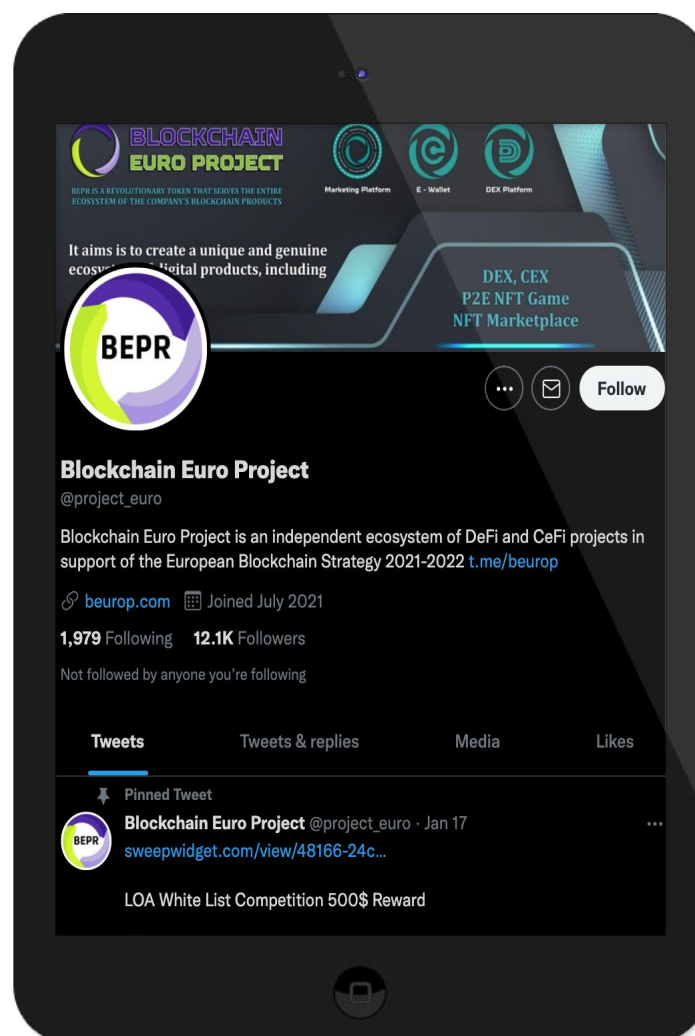# Social Media & Online Presence

Telegram

https://t.me/+ko4sGu1RwV04NjRl

- 4,675 members
- Active devs & mods ✅

Twitter

https://twitter.com/project_euro

- 12.1K Followers
- Very active ✅

About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, $SPY.

▶ Website: SpyWolf.co

▶ Portal: SpyWolf.network

▶ Telegram: @SpyWolfNework

▶ Twitter: Twitter.com/SpyWolfNetwork
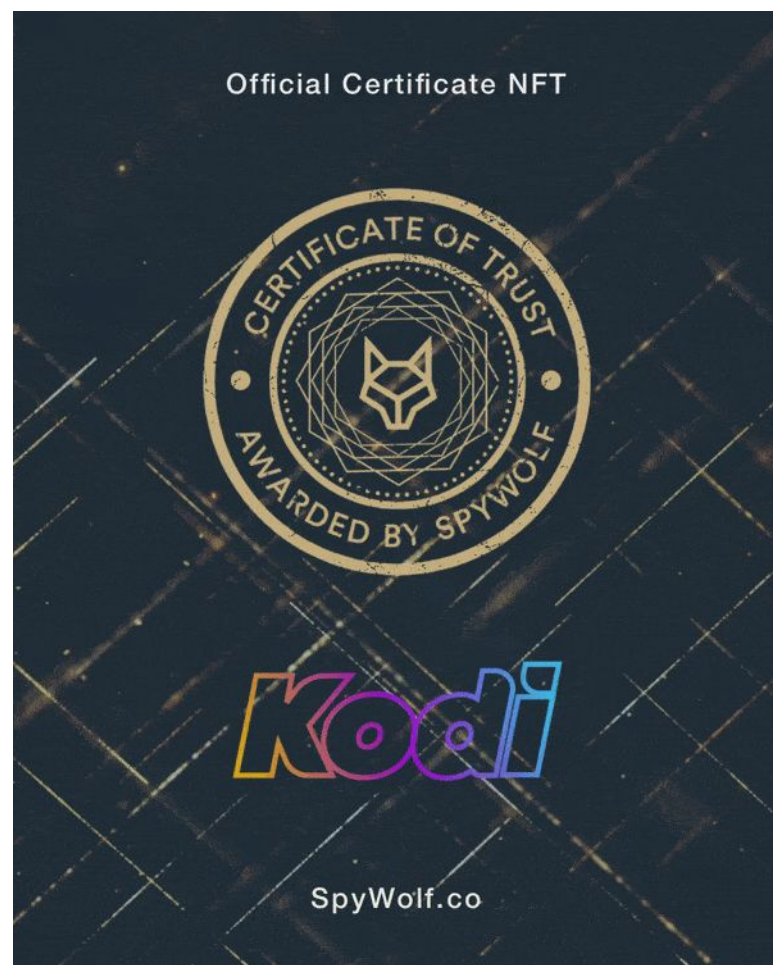
Sample NFT Certificate

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER:

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

No applications were reviewed for security. No product code has been reviewed.